## Dr A. SRINIVASAN - Post Doc. Research Professional

Professor, Department of Computer Science, Community College of Pondicherry University, Pondicherry Central University, Laws pet, Pondicherry – 605008.

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### CAREER OBJECTIVE

 An Experienced Academician & Professor [Full] with an extensive experience in teaching coupled with administrative skills and Research can aid in the better functioning of the institute. Being the head of the department of an educational institute, aiming to establish excellent academic standards and provide state of the art facilities that can help raise the standards of Institutions & students.

### PROFESSIONAL SUMMARY

- I am an Engineering Professor with a Ph.D. in Computer Science and Engineering with more than 33 years and 05 months of Experience in Academic & Institution Management, Research & Development, Publications, Teaching and Faculty Administration & Workshops, and Seminars Management.
- As a Senior Professor, I have Successfully Guided and Completed 5 Ph.D. Research Work in Computer Science and Engineering faculty, 56 B.E (Final Year Projects), 36 M.E (Final Year Projects), 10 MCA (Final Year Projects) and 1 MPhil Project, 4 BCA Project, 01 BVOC Project and 3 MBA Projects, am also known as someone who works on Crafting out techniques for solutions and exercises independent judgment within the defined practices and policies.
- Instrumental in guiding the faculty of Information and Communication Engineering, Anna University and JNTU, Hyderabad, Pondicherry University and being a recipient of multiple Prestigious Awards, including the TATA IBM Scholarship Awardee for attending the International Conference High-Performance Computing-1997 in Bangalore.
- Authored an International Standard Book on Title: Cloud Computing: A Practical Approach for Learning and Implementation,1/e" Pearson Education, ISBN NO.:9788131776513, May 2014.
- Received five patents for Research work, one from the Indian Patent office and four from the Australian Patent office, and waiting for one more submitted patent work for grant in the Australian Patent office.
- Published and presented various Research Papers in National & International Conferences and Journals, namely:
  - ✓ "Rough Fuzzy Region-based Bounded support Fuzzy C- means Clustering for Brain MR Image Segmentation", Journal of Ambient Intelligence & Humanized Computing Springer Journal, Published On 19th Dec 2019. [Annexure -1; Anna University].
  - ✓ "An efficient image retrieval based on re-ranking by keyword and image visual characteristics" was accepted in IEEE [Scopus Indexed] "International Conference on Computing of Communication" on 28th and 29th Mar'18 at Adhiparasakthi College of Engineering, Melmaruvathur.

- Extremely competent in planning and organizing day-to-day research activities and resolving procedural problems
- Completed Two PhD Research work Title research objectives, namely:
  - ✓ "Software Solutions to the Spectral Study & Analysis of Cardiac Sound Signal".
  - ✓ "Developing New Framework for Face Recognition Systems".
- Known as an Exceptional Facilitator for students to obtain the best placements suited to them by liaising between the industry & college.
- Demonstrated ability to manage, coach, and collaborate with various students, faculty and administrative staff with excellent capacity to lead with intelligence and morality.
- An expert in bringing about challenging & innovative teaching & learning atmosphere that empowers the
  active learner by providing a high-quality training experience through a comprehensive network, support,
  and guidance.

### **SPECIALIZATION**

 Distributed Computing – Data Science and Cyber Security and Data Learning, Grid and Cloud Computing, Digital Image Processing and Analysis, Knowledge Engineering and Technologies

### Membership ID in Various International Journal Indexing Society

- VIDWAN ID: 124810
- ORCID ID: 0000-0001-9058-4473
- Web of Science Researcher ID is AAF-5354-2021.
- Scopus Author ID: 55568597500
  - √ https://orcid.org/0000-0001-9058-4473
  - ✓ https://www.researchgate.net/profile/Srinivasan-Arulanandam
  - ✓ https://www.scopus.com/authid/detail.uri?authorId=55568597500
  - ✓ <a href="https://scholar.google.com/citations?user=piqbSb0AAAAJ&hl=en">https://scholar.google.com/citations?user=piqbSb0AAAAJ&hl=en</a>
  - ✓ https://publons.com/researcher/4253461/srinivasan-arulanandam/
  - √ https://vidwan.inflibnet.ac.in/profile/124810
  - ✓ https://dblp.org/pid/116/7790.html

### Core Competencies

- Academic & Institution Management
- Research & Development/Publications
- General Administrative Functions
- Continuous Learning & Development
- Event/ Workshops & Seminars Management

- Curriculum Planning & Design
- Student Management & Counselling
- Process Improvements
- Networking
- Strategic Planning

### Significant Skills

- Thought Leadership
- Making Decisions in a Collaborative Way
- Building a Culture of Trust

- Empathetic & Active Listener
- Effective communication
- Empowerment & Inclusion

### Career Accomplishments

- Subjects Taught: Advanced Operating Systems, Database system Concepts, Database Design, Network Protocols & Network Security, Digital Image processing & Applications, Data Warehousing & Data Mining, Distributed Systems & Grid Computing
- Involved in the work process to obtain Autonomous Status [2F Status] to MNM Jain Engineering College from UGC by facilitating UGC, AICTE, Anna University on matters pertaining to engineering colleges
- Chaired all 7 Engineering Departments of MNM Jain Engineering College to achieve accreditation from AICTE (NBA) in 2011, 2013 and 2016.
- Successfully received the Accreditation as Principal at MNM Jain Engineering College and directed the college NBA Accreditation Team in Jul'12 & Sep'13 to provide accreditation renewal to all the Engineering Programs
- Headed the team to get School of Architecture program at MNM Jain Engineering College
- Fostered MNM Jain Engineering College amongst Top 20 Ranks in the Anna University results in the Academic Year 2012-13 as Principle.
- Joined as Sr. Professor and later got elevated as Principal in MNM Jain Engineering College.
- Appointed as the Team leader in 2004 to attain accreditation from AICTE (NBA) to the Department of Computer Science and Engineering, Tagore Engineering College, Anna University, Chennai.

### Awards & Accolades

- Felicitated with TATA IBM Scholarship Award for attending the International Conference on High-Performance Computing-1997 in Bangalore, India.
- Recognized with eligibility Certificate by the Centre for Affiliation of Institutions, Anna University, for being appointed as the Principal in an Engineering College affiliated to the Anna University.
- Appointed as the Editor of a Special Session on "CVIVP" in the international conference "FICTA 2014, Frontiers in Intelligent Computing, Theory and Application, Bhubaneswar Engineering College, Orissa, India, Web Site address: http://ficta.in, Dt: 14<sup>th</sup> & 15<sup>th</sup> Nov'14.

### Overseas Advanced Research Work Experience – Singapore

May'01 -Dec'01 8 Months

### Post-Doctoral Research Experience

- Nanyang Technological University, Singapore
- · School of Electrical Engineering

### Personal Details

- Address: MIG No: 22, Marvel Towers, TNHB, Indira Nagar Site, 26th Cross St, 4th Avenue, Adyar, Chennai, Tamil Nadu, Pin – 600020.
- Languages: English, Tamil.



### Ph.D. [Part Time]

- Department of Computer Science and Engineering
- M.S. University, Tirunelveli
- Faculty of Engineering

2008

### M.E [SE&OR)

- Department of Computer Science and Engineering
- Guindy Campus, Anna University, Chennai
- Faculty of Engineering

2001

### Post-Doctoral Fellowship

- School of Electrical and Electronics Engineering
- Nan yang Technological University, Singapore
- Faculty of Engineering

2000

### Ph.D. [Full Time]

- Department of Electronics Madras Institute of Technology
- Anna University, Chennai
- Faculty of Science and Humanities (Interdisciplinary)

1992

### PGDCA [Three Semester Course]

- Computer Centre
- Alagappa University, Karaikudi
- Faculty of Computer Applications.

1991

### M.SC [Physics]

- Department of Nuclear Physics School of Physics
- AC Tech Campus, University of Madras, Chennai
- Faculty of Science.

### Additional Qualification's

2003

### M.B.A - Finance

- IGNOU, New Delhi
- Faculty of Management Sciences

2002

### **PGDFM**

- IGNOU, New Delhi
- Faculty of Management Sciences

### Career Snapshot – Professional Experience

### Engineering College Experience – Teaching, Research & Administration

May, 2024 to Professor, Department of Computer Science, Community College of Pondicherry till date Central University, Laws pet, Pondicherry University, Puducherry 14<sup>th</sup> Nov,2023 Professor and Head, Department of Computer Science, Community College of to April, 2024 Pondicherry Central University, Laws pet, Pondicherry University, Puducherry 28<sup>th</sup> August, Professor Department of Computer Science, Community College of Pondicherry Central 2023 TO 13th University, Laws pet, Pondicherry University, Puducherry Nov, 2023 Oct'11 - Sep' 22 Senior Professor & Head - Department of Information Technology 124 months MNM Jain Engineering College, Anna University, Chennai Chennai Principal (i/c) -Senior Professor & Head, Jun'12 - Jun'13 Department of Information Technology, 13 Months MNM Jain Engineering College, Anna University, Chennai. Chennai April '10 - Oct'11 Senior Professor - R&D Convener - Department of Computer Science and Engineering, MNM Jain Engineering College 19 Months Chennai Feb'10 - Apr'10 Professor and Head - Department of Computer Science and Engineering 3 Months Venkateshwara Institute of Science and Technology Chennai Jul'05 - Jan'10 Professor - Department of Computer Science and Engineering 55 Months SSN Engineering College Chennai Jan'04 - Jul'05 Professor and Head - Department of Computer Science and Engineering 19 Months Tagore Engineering college Chennai Jan'02 - Jun'03 Assistant Professor and Head – Department, Department of Computer Application 18 Months VLB Janakiammal College of Engineering Coimbatore Sep'93 - Sep'00 Teaching Faculty 81 months Computer Center, MIT, Anna University Chennai

### Corporate Experience

Oct'00 - Apr'01 7 months Bengaluru



Product ManagerB.B.S Electronics (India) Pvt. Ltd.

### Titles of Thesis Work – Research Experience

#### Sep'00 May'01 Apr'03 Apr'08 Jan'16 Completed Course • Ph.D. • PDF MBA • M.E [SE&OR]. Ph.D. [Computer [Post-[Finance]. [Computer Science]. Doctoral Science and Research Engineering]. Fellow]. Research "A New "Developing "Software Title Name • "Ratio Algorithm for "Computer-New Solutions to Face Analysis of Aided System Framework the Spectral Hindustan Recognition Design for for Face Study & Lever Ltd" - A Using HGPP Endoscopic Recognition Analysis of Study. and Adaptive Imaging". Systems". Cardiac Sound Binning Signal". Method".

### Expertise

### Research & Development

- Remained as Expert Committee Member in various Universities in Research Board.
- Planning and organising day-to-day research activities and resolving procedural problems as appropriate to the timely completion of research objectives.
- Setting up, calibrating, operating, and maintaining a variety of laboratory and/or field research equipment as specified by the research study requirements.
- Monitored and Adhered to the appropriate procedures & standards for the collection & preservation of samples.
- Assessed data as per established protocol, procedures & standards as appropriate to specific objectives of the research study.
- Recognizing, respecting & nurturing the creative potential of each student and Keeping records and writing reports on students' performance.

### Planning & Administration

- Performing various administrative duties and implementing operational plans for ensuring the smooth running of the College and Research work.
- Mentoring and providing Leadership to Teaching & Administrative staff and ensuring high quality of Teaching & Research.
- Specialized in preparing the campus-based budget, equipment, and institutional budget.
- Followed Government guidelines regarding the budgetary process and procedures.

- Reviewing the pre-set educational goals, objectives, and classroom instructional programs, establishing academic and other performance objectives.
- Conducting Research in the field of specialization and publishing findings in scholarly journals, books and patents.
- Serving in the faculty committees dealing with matters like curriculum planning, Programme degree requirements.

### **Academic**

- Implementation & Development of the university's internationalization strategy encompassing projects like building strategic international alliances, international academics programs, international students' recruitment, international mobility, international internships & external representation.
- Spearheading curriculum planning, professional development and the implementation of educational programs.
- Interacting and collaborating with students, parents, and the community to build an environment that maximizes student learning, remedial teaching, academic performance, and social growth.
- Collaborating with community leaders and disseminating information on new-launched courses of the college.
- Directing the faculty members for altering the prevailing courses/ curriculum/ syllabus based on the requirements.
- Administering faculty meetings; providing guidance & support for curriculum planning instructional goals, objectives & methods; setting plans for shaping the institution's reputation.

### Technical Forte

- Hardware: Polygraph Amplifier, TMS 320C30 Processor:
  - Advanced Operating Systems.
  - Database System Concepts.
  - Database Design.
  - Network Protocols and Network Security.
  - Digital Image processing and Applications.
  - Data Warehousing and Data Mining.
  - Distributed Systems.
  - Grid Computing.

### Special Assignments

- Enhanced knowledge in signal processing & image processing workstations.
- Administered acquisition and digitization techniques in the Signal Processing Field and Image Graphing Techniques in the Medical Image Processing Field.
- Spearheaded assignments pertaining to Software & Hardware systems Development in the Biomedical field

Leadership Attainment in Consultancy & Research Supervisor across Universities [Computer Science and Engineering Faculty]:

- Distinction of being a recognized Supervisor for guiding Ph.D. Degree in :
  - ✓ Faculty of Computer Science and Engineering, Pondicherry University, Pondicherry.
  - ✓ Faculty of Information and Communication Engineering at Anna University, Guindy, Chennai.
  - ✓ Faculty of Computer Science and Engineering, JNTU, Kukatpally, Hyderabad.
  - ✓ Faculty of Computer Science and Engineering, Satyabhama University, Chennai.
  - ✓ Faculty of Computer Science & Engineering, Bharath Institute of Higher Education & Research, Chennai.
  - ✓ Faculty of Computer Science and Engineering, SRM University, Chennai.
  - Faculty of Computer Science and Engineering, Vinayaka Missions Deemed University, Salem, Tamil
     Nadu.

### Appointed as:

- ✓ Ph.D. Doctoral Committee Member in the Department of Software Engineering, SRM University, Chennai
- ✓ Ph.D. Thesis Review Committee Member in Computer Science and Engineering Department, University of Bard wan, West Bengal.
- ✓ Ph.D. Thesis Review Committee Member in Computer Science and Engineering department, Annamalai University, Chidambaram, Tamil Nadu.
- ✓ Ph.D. Review Doctoral Committee Member to nearly 50 Ph.D. Students in the last 30 Years of Service at Satyabhama University, Chennai.
- ✓ Ph.D. Review Doctoral Committee Member to nearly 15 Ph.D. Students in the last 30 Years of Service at SRM University, Katankulathur, Chennai.
- ✓ Ph.D. Review Doctoral Committee Member to nearly 12 Ph.D. Students in the last 30 Years of Service at AIMET University, Kannathur, Chennai.
- ✓ Ph.D. Review Committee Member to 5 students at Avinashi lingam University, Coimbatore.
- ✓ Coordinator to Villgro My Idea Programme 2010 to MNM Jain Engineering College, Chennai: 2010 11.
- ✓ Staff Coordinator to IBM Great Mind Challenge 2010 contest to Computer Science and Engineering Department, MNM Jain Engineering College, Chennai.
- ✓ A Member, Board of Studies for Computer Science and Engineering for PG, Kongu Engineering College, Erode, Tamil Nadu: 2006 - 08.
- ✓ A Member, Board of Studies for Computer Science for PG, KSR Arts and Science College, Periyar University, Tiruchengode, Tamil Nadu: 2006 08.
- ✓ Member of Inspection committee to affiliated Colleges in Anna University, Chennai: 2005 10.

Final Year Project – Having 28 years of Experience as Department Co-Ordinator for UG/PG Degree Programs [B.E/ B.TECH/ME/ MCA].

### **Professional Affiliations**

- Serving as a Senior Member of ACM.
- Serving as a Senior Member of IEEE.
- Functioning as a Life Member for:
  - ✓ Computer Society of India (CSI).
  - ✓ Indian Society for Technical Education (ISTE).
- Serving as a Member of the International Editorial and Advisory Board:
  - ✓ Journal of Computer Science and Information Technology [ JCSIT].

- ✓ International Research Journal of Computer Engineering & Information Technology [IRJCEIT].
- Serving as a Reviewer at:
  - ✓ Springer International Journal on Soft Computing.
  - ✓ International Journal of Automation and Control published by Inder-science Publishers.
  - ✓ International Journal of Signal Image and Video Pattern Recognition Letters Elsevier.
  - ✓ International Journal on Biomedical Engineering and Technology [IJBET].
  - ✓ International Journal of Human-Computer Studies.
  - ✓ Scientific Journals International [SJI].
  - ✓ International Journal of Latest Trends in Computing (IJLTC].
  - ✓ International Journal of Computer Science & Emerging Technologies (IJCSET).
  - ✓ International Journal of Computer Science and Information Security (IJCSIS).

### Conferences & Seminars – Attended / Coordinated

- Oversaw Anna University Sponsored 02 A Two Week Faculty Development Program as a Coordinator and conducted on Computer Architecture and Data Base Management Systems [DBMS] in the Department of Computer Science and Engineering, SSN College of Engineering, Chennai.
- Led the Computer Vision Course (16-720) to MS (IT-Robotics) Students of Carnegie Mellon University, USA, in SSN College of Engineering, Chennai.
- As a Convener, organized a Two Days National Conference on Recent Trends on Distributed Computing : NCDC 2015, on 27th & 28th Mar'15, in IT Department, MNM Jain Engineering College, Chennai.
- Proactively participated in 14 Conferences / short-term courses.
- Planned & organized over 10 Conferences / short-term courses.

### Patent Activities : Granted 6

- Granted and received Patent Certificate from **Indian Patent Office** for the research work, title: "Image Processing field" Application No: 889ICHEI2012; Dt: 09<sup>th</sup> Mar'12.
- Granted and received Patent Certificate from **Australian Patent Office** for the research work, title: "An adaptive weighted fuzzy region-based optimization method for brain MR image segmentation" Patent number: 2021103376; Dt: 09<sup>th</sup> Mar'22.
- Granted and received Patent Certificate from **Australian Patent Office** for the research work, title: "A Multi-Server-Based HTTP Live Streaming Method to Reduce Probable Load on a Single Server" Patent number: 2021103377; Dt: 09<sup>th</sup> Mar'22.
- Granted and received Patent Certificate from Australian Patent Office for the research work, title:
   "A Self -Adaptive N-Depth Context Tree Weighting Method" Patent Number: 2021103378; Dt: 6<sup>th</sup> Mar'22.
- Granted and received Patent Certificate from Australian Patent Office for the research work, title:
   "A rough fuzzy region-based bounded support fuzzy C-means clustering method for segmenting brain MR image" the patent no: 2021104779; Dt: 31<sup>st</sup> Jul'21.
- Granted and received Patent Certificate from Australian Patent Office for the research work, title:
   "A System and Method for Improvised Video Coding Technique for Deep Learning- Based Video
   Transmission" the patent no: 2021104780; Dt: 31<sup>st</sup> Jul'21

### Publication of Research Papers in National & International Journals and Conferences:

Type of Publication	International	National
Journal	29	04
Conference	20	15
Total	68	
Patent Applied	05	01
Patent Obtained	05	01
Book Published [Pearson International Publication	01	

### **Book Authored**

- Written a book titled "Cloud Computing: A Practical Approach for Learning and Implementation 1/e" Pearson Education, ISBN NO:9788131776513, May'14.
  - ✓ http://www.pearsoned.co.in/web/books/9788131776513 Cloud-Computing A-Srinivasan.aspx.

### Selected Papers Among the Research Papers Published:

### Journal papers - International / National:

- 1. A Srinivasan, Jawahar babu Vatupalli, "Review of Applications of Artificial Intelligence and Drones in Oil Pollution in Seawater", on, Vol. 13, No. 4, April 2025, "International Journal of Computers and Communications, Scientific Research Publication Journal. [Scopus Indexed].
- 2. A. Srinivasan, S. Sadagopan, "Rough Fuzzy Region-based Bounded support Fuzzy C- means Clustering for Brain MR Image Segmentation".
  - Journal of Ambient Intelligence & Humanized Computing Springer Journal, Published On 19<sup>th</sup> Dec'19. [Annexure -1 -Anna University]
- 3. A. Srinivasan, G. Rohini, a paper titled "Performance-Based Algorithms for Video Bit Transmissions", Journal Cognitive Systems Research, Elsevier journals], PII: S1389-0417(18)30484-4. DOI: 10.1016/j.cogsys. 2018.10.019, 27<sup>th</sup> Oct'18.

  - [Annexure -1 -Anna University].
- 4. A. Srinivasan, V.K. Gnanavel, "Multiple features Set with Feature Selection for Anomaly Search in Videos Using Hybrid Classification"
  - International Journal "Multimedia Tools and Applications", Multimedia Tools Applications, https://doi.org/10.1007/s11042-018-6348-z, 15<sup>th</sup> Aug'18, [Annexure -1-Anna University].
- 5. A. Srinivasan, S. Sadagopan, a paper titled "Adaptive weighted fuzzy region-based optimization for brain MR image An International Journal "Multimedia Tools and Applications".
  - Multimedia Tools Applications <a href="https://doi.org/10.1007/s11042-018-6215-y">https://doi.org/10.1007/s11042-018-6215-y</a>, 11<sup>th</sup> Jun'18, [Annexure -1 -Anna University].
- 6. Srinivasan, A & Gnanavel, VK 2020, 'Patch Based Multiple Feature Modalities For Anomaly Search In Videos Using Gaussian Mixture Model'. Journal of Test Engineering & Management. ISSN: 0193-4120.

- Volume 83, Page No. 22624- 22635, Publication Issue March April 2020 (Scopus indexed journal)
- A. Srinivasan, A. Gayathri, "Effective Content-based Color Image Retrieval using SVM".
   National Conference on Big Data and Smart Cloud NCBSC'17 held on 23<sup>th</sup> & 24<sup>th</sup> Mar'17 at Bharath University, Selaiyur.
- 8. A. Srinivasan, A. Gayathri, "Self-Learning Adaptive Dictionary Based Image Denoising using Super-Resolution and Demosaicing".
  - International Conference on Knowledge-based Computing Technologies (ICKCT '16) 3<sup>rd</sup> & 4<sup>th</sup> Feb'17. KCG College of Technology, Chennai, India.
- A. Srinivasan, "Multi Server-based cloud-assisted real-time trans rating for HTTP live streaming" in the Indian Journal of Science and Technology.
   Scopus indexed and listed in the Anna university Annexure-II list of journals.
- 10. A. Srinivasan, A. Gayathri, "Wavelet-Based Self Learning Adaptive Dictionary Algorithm for Image Denoising" Advances in Natural and Applied Science, Anna University Set –II journal List No:559.
- 11. A. Srinivasan, S. Sadagopan, "Generalized Rough Set method for Intensity In homogeneity Correction in Brain MRI Segmentation" Advances in Natural and Applied Science, Anna University Set –II journal List No:559.
- A. Srinivasan, J. Suresh, A. Damodram, "Optimized Grid-Based e-Learning Framework".
   Research Journal of Applied Sciences, Engineering and Technology
   8(22): 2290-2299, 2014 ISSN: 2040- 7459; e-ISSN: 2040-7467 © Maxwell Scientific Organization, 2014, Anna University Set-II Journal List.
- A. Srinivasan, A. Gayathri, "An efficient algorithm for image denoising using NLM and DBUTM estimation".
   TENCON 2014 2014 IEEE Region 10 Conference, IEEE Xplore digital library.
   DOI: 10.1109/TENCON.2014.7022388, Anna University Set-II Journal List.
- 14. A. Srinivasan, V. Balamurugan, "Occlusion detection and image restoration in 3D face image". TENCON 2014 2014 IEEE Region 10 Conference, IEEE Xplore digital library. DOI: 10.1109/TENCON.2014.7022477 Anna University Set-II Journal List.
- 15. A. Srinivasan, A. Gayathri, "Moving Object Detection by Fuzzy Aggregation Using Low-Rank Weightage Representation".

Springer AISC Book Series- Advances in Intelligent Systems and Computing. Vol.2, PP-335-342, Nov 2014. [Scopus Indexed].

- A. Srinivasan, V.K. Gnanavel, "Abnormal Event Detection in Crowded Video Scenes".
   Springer AISC Book Series- Advances in Intelligent Systems and Computing;
   Vol.2, PP-441-448, Nov 2014. [Scopus Indexed].
- 17. A. Srinivasan, C. Sivasankar, "A Framework for Human Recognition Based on Locomotive Object Extraction".

Springer AISC Book Series- Advances in Intelligent Systems and Computing. Vol.2, PP-335-342, Nov 2014. [Scopus Indexed Journal].

- 18. A. Srinivasan, "A Novel Approach for Facial Feature Extraction in Face Recognition". Springer- Advances in Intelligent Systems and Computing Journal Series Vol -249-DOI-10.1007/978-3-319-03095-1-15, 2014. [Scopus Indexed Journal].
- 19. A. Srinivasan, V. Balamurugan, "A Novel Approach for Developing Face Recognition System using Sparse Representation".

International Journal of Advanced Research in Computer Science and Software Engineering

- Vol 4, Issue 2, PP-208 221, 2014.
- 20. A. Srinivasan, "A new framework for 3-D Face Reconstruction on Self Occluded images" INDER SCIENCE JOURNAL Int. J. of Computational Vision and Robotics, 2013.
  - Vol.3, No.4, pp.308 325. Anna University Set –1 Journal List. [Scopus Indexed] with Impact factor.
- 21. Srinivasan. A and Arul Selvan. P, "A review of Analog Audio Scrambling Methods for Residual Intelligibility".

International Journal of Innovative Systems Design and Engineering [IISTE].

Vol 3, No 7 (2012), pp.22-38, July - 2012 [Impact Factor: 6.94].

22. Srinivasan. A, and. Girija "A Novel System for Face recognition to identify Occlusions and Restoration of image".

2<sup>nd</sup> International Conference on Information and Network Technology. ICINT2012, 28<sup>th</sup> & 29<sup>th</sup> Apr'12, Chennai, India, Published in IPCSIT Journal.

ISSN: 2010-460X, Indexed in Thomson ISI Proceedings.

23. Srinivasan. A and J. Geetha Priya, "A New Framework for Real-time Hand Gesture Detection and Recognition".

2<sup>nd</sup> International Conference on Information and Network Technology. ICINT2012 - 28<sup>th</sup> & 29<sup>th</sup> Apr'12, Chennai, India, Published in IPCSIT Journal, Published in IPCSIT Journal.

ISSN: 2010-460X, Indexed in Thomson ISI Proceedings.

24. Srinivasan. A, and Divyapreethi A.K, paper titled "A Robust System for 3D Face Reconstruction using Multi-stage Linear Approach".

2<sup>nd</sup> International Conference on Information and Network Technology. ICINT2012, 28<sup>th</sup> & 29<sup>th</sup> Apr'12, Chennai, India, Published in IPCSIT Journal, Published in IPCSIT Journal.

ISSN: 2010-460X, Indexed in Thomson ISI Proceedings.

25. A. Srinivasan, Suresh Jagannathan, A Damodram, "A Study of Protocols for Grid Computing Environment".

International Journal of Computer Science and Security (IJCSS), 5(2), Jun'11.

ISSN: 1985-1553, pp:244 - 276

26. Srinivasan. A, Suresh, A Damodram," P2P and Grid computing: Opportunity for Building Next Generation Wireless Multimedia Digital Library".

EURASIP Journal on Wireless Communication and networking, [Springer journal]2012, [SCOPUS INDEXED, Anna University set-1 journal List].

- 27. Srinivasan. A, "Gabor Wavelet-based Face Recognition System using EWCVT and Bagging AdaBoost Algorithm," International Journal of Computer Applications (0975 8887), IJCA, Volume 16– No.3, Feb'11.
- 28. Srinivasan A, "A Framework for Face Recognition using Adaptive binning and AdaBoost Techniques" ISSN NO: 0975-5934, The International Journal of Multimedia & Its Applications (IJMA). Vol.3, No.1, PP-76-88, Feb'11.
- 29. Srinivasan A, "Histogram "Gabor Phase Pattern and Adaptive Binning Technique in Feature Selection for Face Verification", 2011, International Journal of Image Processing (IJIP), ISSN NO: 1985-2304.
- 30. Srinivasan A, S. Sharon Priya, "A Novel Approach for Image and Video Denoising by Sparse 3-D Transform Domain using Atrous and Gabor Wavelets", Jan'09.
  - vol.1, International Journal on Information Processing (IJIP).
- 31. A. Srinivasan, S. Krishnamurthy, A. Mathialagan, "A System for AR modelling study of Cardiac Sound

- Signal", Jan-Apr, 2000, IETE Journal of Research.
- Vol.-46, No: 1&2, PP-87-91. [Anna University SET-1 Journal].
- 32. A. Srinivasan, V. K Madhavaragavan, S. Krishnamurthy, A. Mathialagan, "Advanced System for Hospital Management", Jul Sep, 1998, Journal of Information Sciences, Vol.9, No.1, PP- 3-7.
- 33. A. Srinivasan, S. Krishnamurthi, A. Mathialagan, Oct-Dec, 1998 "An Effective System for the Spectral Characteristic Study of Cardiac Sound Signal", Journal of Information Sciences, Vol. 9, No.2, PP-49-58.
- 34. A. Srinivasan, V.K. Madhavaragavan, S. Krishnamurthi, A. Mathialagan, "A Novel Compression Technique for Medical Images- An aid Towards Faster Information Transfer".

Jul - Sep 1998, Journal of Information Sciences. Vol.9, No.1, PP-29-36.

### Conference Papers - International/ National:

- 1. Dr.A. Srinivasan, a paper titled "An efficient image retrieval based on reranking by keyword and image visual characteristics"
  - "International Conference on Computing of Communication" on 28<sup>th</sup> & 29<sup>th</sup> Mar'18 at Adhiparasakthi College of Engineering, Melmaruvathur.
- 2. Dr.A. Srinivasan, "Remote monitoring of hazardous gases in industries" is accepted in IEEE international [Scopus Indexed] "International Conference on Computing of Communication", on 28<sup>th</sup> & 29<sup>th</sup> Mar'18 at Adhiparasakthi College of Engineering, Melmaruvathur.
- 3. Srinivasan. A and T. Mary Suji, "A New Image Denoising System for 3D MR Image", The International Conference on "Image Processing Techniques & Applications" conducted by SASTRA, 6<sup>th</sup> & 7<sup>th</sup> Apr'12, Tanjore, Tamil Nadu, India, Published in SCOPUS indexed proceeding.
- 4. Srinivasan. A, C. Devi Priya., a paper titled "A novel Design for Face Recognition System Using Dual-Tree Complex Wavelet Transform" on 8<sup>th</sup> to 10<sup>th</sup> Apr'11.
  - International Conference on Network and Computer Science ICECT 2011, Kanyakumari, India. Accepted for Publication in IEEE Xplore and Indexed by the Ei Compendex and Thomson ISI(ISTP).
- 5. Srinivasan. A, Abijah S., a paper titled "A Unified Framework for Face Recognition by Using Sparse Representation", on 8<sup>th</sup> to 10<sup>th</sup> Apr'11.
  - International Conference on Network and Computer Science ICECT 2011, Kanyakumari, India. Accepted for Publication in IEEE Xplore and Indexed by the Ei Compendex and Thomson ISI(ISTP).
- 6. Srinivasan A, Suresh. J, Jeevan Eranti, a paper titled "Efficient Video Streaming in Wireless P2P network using HIS-MDC Technique", 10<sup>th</sup> & 11<sup>th</sup> Mar'1.
  - Second International Conference on Recent Trends in Information, Telecommunication and Computing ITC 2011. ITC, Bangalore, Karnataka, India, Accepted for Publication in IEEE Xplore and IEEE CS Digital Library.
- 7. Srinivasan. A, Suresh. J, Geetha Manjusha. M.B paper titled "gBeL: An Efficient Framework for e-Learning using Grid Technology" 10<sup>th</sup> & 11<sup>th</sup> Mar'11.
  - International Conference on Advances in Communication, Network, and Computing CNC 2011, Bangalore, Karnataka, India, published in Springer Digital Library.
- 8. Srinivasan. A, Arthi.S. L, a paper titled "Face Recognition System using Edge Weighted Centroidal Voronoi Tessellation and Bagging-AdaBoost Algorithm", 25<sup>th</sup> & 26<sup>th</sup> Feb'10.
  - National Conference on Advanced Pattern Mining and Multimedia Computing-APMMC-2010, NIIT, Trichy.

- Srinivasan. A, J. Suresh, A Damodaran, a paper titled "Performance analysis of various High-speed Data transfer protocols for Streaming Data in Long Fat Networks", Number: 91, 12<sup>th</sup> & 13<sup>th</sup> Mar'10.
   Proceeding of IEEE International Conference on Recent Trends in Information, Telecommunication and Computing – ITC 2010, Kochi, India.
- 10. Srinivasan A, S. Sharonpriya, a paper titled "Image and Video Denoising by Sparse 3-D Transform Domain using Atrous and Gabor Wavelets", 8<sup>th</sup> to 10<sup>th</sup> Aug'08.
  - International Conference on Information Processing, (ICIP-2008), Bangalore, India.
- 11. Srinivasan. A Subhashini. S, a paper titled "Segmentation of Brain MR Images Using Charged Fluid Model and Gabor Wavelets". 8<sup>th</sup> to 10<sup>th</sup> Aug'08.
  - Proceedings of Second International Conference on Information Processing, University of Visvesvaraya College of Engineering, Bangalore.
- 12. Srinivasan A, Bhuvaneswaran R.S. paper titled "A New Design for Face Recognition Using HGPP and Adaptive Binning Method", FCS'08, 14<sup>th</sup> to 17<sup>th</sup> Jul'08.
  - The 2008 International Conference on Foundations of Computer Science, Monte Carlo Resort, Las Vegas, Nevada, USA, [SCOPUS Indexed].
- 13. Srinivasan. A., a paper titled "A New Design for Image and Video Denoising by Sparse 3DTransform-Design Collaborative Filtering", 16<sup>th</sup> Feb'08.
  - Proceedings of the National Research Conference on Challenges & Innovations in Information Technology (CIIT- 2008), Kongu Engineering College, Erode.
- 14. Srinivasan. A. paper titled "A New Design for Segmentation of Brain MR Images using Charged Fluid Model", 16<sup>th</sup> Feb'08.
  - Proceedings of the National Research Conference on Challenges & Innovations in Information Technology (CIIT 2008), Kongu Engineering College, Erode.
- 15. A. Srinivasan, C. Premnath and J. Ravikumar, a paper titled "A novel approach to device less computer access for disabled users", Paper ID: 245141201, 28<sup>th</sup> to 30<sup>th</sup> Nov'07.
  - Proceedings of IEEE International Conference on Advances in Computer Vision, Information Technology, Department of Computer Science and Engineering, University of Aurangabad (Maharashtra State).
- 16. A. Srinivasan, C. Premnath and J. Ravikumar, a paper titled "Device less Computer Access for Disabled users", 16<sup>th</sup> & 17<sup>th</sup> May'07,
  - Proceeding of the National Conference on Current Trends of Information Technology NCIT-2K7 Sponsored by AICTE, New Delhi, Bhubaneswar, Orissa.
- 17. A. Srinivasan, M. Siddhartha, G. Shiva Sandeep, a paper titled "Rotation invariant Neural Network-Based Face Detection", 16<sup>th</sup> & 17<sup>th</sup> May'07.
  - Proceeding of the National Conference on Current Trends of Information Technology –NCIT-2K7 Sponsored by AICTE, New Delhi, Bhubaneswar, Orissa.
- 18. A. Srinivasan and B. Kathiravan, paper titled "An Integrated Approach for Video Watermarking Using Integer To Integer Transform", 16<sup>th</sup> & 17<sup>th</sup> May'07.
  - Proceedings of the National Conference on Current Trends of Information Technology NCIT-2K7 Sponsored by AICTE, New Delhi, Bhubaneswar, Orissa.
- 19. A. Srinivasan and B. Kathiravan, a paper titled "A New Approach for Video Watermarking using Stransform", 2007.
  - Proceeding of the National Conference on Image processing and Pattern Recognition- NCIPPR-07, Bharath University, Chennai.

- 20. A. Srinivasan and L. Sai Ramesh, a paper titled "Least Squares Solution for Image Denoising", 2007. Proceeding of the National Conference on Image processing and Pattern Recognition-NCIPPR-07, Bharath University, Chennai.
- 21. A. Srinivasan, J. Suresh, "Performance Evaluation of Three Routing Protocols for Real-Time Traffic Support in Mobile Ad hoc Networks".
  - Proceeding of the International Conference on 18<sup>th</sup> & 19<sup>th</sup> Dec'06 at Vellore Institute of Technology, Vellore, Tamil Nadu, India.
- 22. A. Srinivasan and J. Suresh, "GLASS: A Grid Enabled Library Access and Storage System".

  24<sup>th</sup> & 27<sup>th</sup> May'06
  - Proceedings of 38th International Conference on the interface of statistics, computing science, and applications-INTERFACE-2006, Pasadena, California, USA.
- 23. A. Srinivasan, R. Rameshkumar and A. Damodaram, "Virtual Lock for Grid Enabled Virtual Organisation".

  Proceedings of 2<sup>nd</sup> National Conference on Networking & Distributed Computing-STREAK 2006, Kamaraj College of Engineering & Technology, Virudhunagar.PP-21-26.
- 24. A. Srinivasan, R. Rameshkumar and A. Damodaram, "Security for Grid Infrastructure using Instant Key Generator (Crypt server)", 2006.
  - Proceedings of 2<sup>nd</sup> National Conference on Networking & Distributed Computing-STREAK 2006, Kamaraj College of Engineering & Technology, Virudhunagar.PP-39-46.
- 25. A. Srinivasan and V. Thanikachalam, "An Approach for the Detection and Removal of Television Commercials", 6<sup>th</sup> & 7<sup>th</sup> Jan'06.
  - Proceedings of National Conference on "Emerging Trends in Computer Science and Engineering", K.S. Rangaswamy College of Technology, Tiruchengode, PP-108-112.
- 26. A. Srinivasan, Mr. R. Ramesh Kumar and Mr.Parathasarathy.V Mar'05, "Grid-Enabled Virtual Organization Based Dynamic Firewall".
  - New Trends in Distributed Computing & Networking (DCN-05), Tagore Engineering College, Chennai, PP-22-27.
- 27. A. Srinivasan, Mr. K. Thiagarajan and Mr. S. Ramapriyan, "Implementation of Bioinformatics using OOPS Concepts", Dec'02.
  - National Conference on Applications of Microcomputers (CONMICRO 2002) conducted by Computer Society of India, (CSI), Thanjavur.
- 28. A. Srinivasan, Mr.S. Ramapriyan & Mr. K. Thiagarajan, Dec'02, "CORBA in Bio-Informatics".

  National Conference on Applications of Microcomputers (CONMICRO –2002) conducted by Computer Society of India (CSI), Thanjavur.
- 29. A. Srinivasan, S. Krishnamurthi "Advances in Bio-Medical Engineering Through Computer and Information Technology".
  - Proceedings of the 4th Tamil Nadu Library Association Conference, Vol.1, PP-54-57, HITECH.
- 30. A. Srinivasan, S. Krishnamurthi and V.K. Madhavaragavan, "Study of Central Nervous System through Visual Evoked Response," 12<sup>th</sup> & 13<sup>th</sup> Mar'99.
  - National Workshop on Biomedical Engineering The Indian Scenario, Vol.1, pp. C10-C21, Vellore, India.
- 31. A. Srinivasan, V.K. Madhavaragavan, S. Krishnamurthi, A. Mathialagan, "Cost-effective Management of Medical Image Information An Application for Reconstruction of 3-D Angular planes from 2D MRI Projection", Feb'99.
  - National Conference on "Role of IT in 21st Century: Challenges & Strategies, Jabalpur.

- 32. A. Srinivasan, V.K. Madhavaragavan, A. Mathialagan, S. Krishnamurthi, "An Efficient Compression for Medical Images", 12<sup>th</sup> to 14<sup>th</sup> Dec'96.
  - IEEE Proceedings of the International Conference on Biomedical Engineering., Vol.-II, PP. 19-20, CIT, Coimbatore, India.
- 33. A. Srinivasan, V.K. Madhavaragavan, A. Mathialagan and S. Krishnamurthi `HOSPACK' An Effective Package for Hospital Management", 12<sup>th</sup> to 14<sup>th</sup> Dec'96.
  - IEEE Proceedings of the International Conference on Biomedical Engineering. Vol.-I, PP. VIII 19-22., CIT., Coimbatore, India.
- 34. A. Srinivasan, V.K. Madhavaragavan, "Design of a Simple Graphical Terminal using the Principles of Parallelism Approach Memory Parallelism Approach", Feb'95. National Level Technical Symposium (Channel 95), A.E.C, Melmaruvathur.

### Research Supervisor-ship:

S.N	Degree	Completed	Ongoing
1.	Ph.D.	05	02
2.	M.Phil. (by Research)	01	-
3.	M.E.	21	-
4.	M.CA	09	-
5.	B.E / B.Tech	58	-

### Ph.D. - Guided as a Supervisor:

S.N.	Research Scholar Name	Title of Research University		Date of completion	Supervisor or Co-supervisor
1	J. Suresh	Design of Protocol for Multimedia Streaming and Services in Mobile Wireless Grids.	Faculty of Computer Science and Engineering, JNTU, Hyderabad - Reg No: 0603Ph0635;	Dec'13	Supervisor
2	A.Gayathri	A Learning Framework for Image Denoising and Restoration.	Faculty of Information and Communication Engineering, Anna University - Reg No: 2923499750;	May'16	Supervisor
3.	S.Sadagopan	Studies on Brain Tissue Segmentation Methods from MR Images.	Faculty of Information and Communication Engineering, Anna University - Reg No: 2011114085;	Jan'20	Supervisor

4	V.K.Gnanavel	A New Model to Improve the Efficiency in Video Coding Standard Using HEVC Techniques.	Faculty of Information and Communication Engineering, Anna University - Reg. No:2011114069;	Thesis Submitted, Reviewer Report Received on Apr'20.	Supervisor
5.	G.Rohini	A New Model to Improve the Efficiency in Video Coding Standard using HEVC Technique.	Faculty of Information and Communication Engineering, Anna University - Reg.No: 1423499210;	Thesis Submitted, Reviewer Report Received on Apr'20	Supervisor

## Examiner for M.S. / Ph.D. Research Scholars - Ph.D. Thesis Reviewer / DC Member

S.No	Ph.D. Thesis Reviewer as Indian Examiner count / Reviewer	Doctoral Committee Member	Faculty / Department	University
1.	02	08	Faculty of Information and Communication.	Anna University
2.	01	-	Department of	Annamalai University, Chidambaram
3.	01		Computer Science and Engineering.	University of Burdwan, West Bengal
4.	02	50		Satyabhama University, Chennai
5		15	Faculty of Computer Science and Engineering.	SRM Institute of Science and Technology, Chennai
6.		01		Bharath Institute of Higher Education and Research.
7.		01		Vinayaka Mission University, Salem
8.		05		Avinashi lingam Deemed University,
9.		12		AMET University, Chennai

## Other Universities - Teaching Experience

S. No	Institution	University	Course Thought	Year
1	SSN -SASE [MS Programme].	Carnegie Mellon University, USA.	Computer Vision.	2006 -2008
2	Manipal Higher Education, [MS - Program in Computer Science - Part Time].	Manipal University, Mangalore.	<ol> <li>Database Management         Concepts.     </li> <li>Grid Computing.</li> <li>Datamining and Warehousing.</li> </ol>	2008 -2010

## Invited Lectures / Chair of The Session / Editor

S.No	Title	Venue and Date
1	"Information Retrieval".	Vel Tech High Tech Dr. Ranganathan, Dr. Shakuntala Engineering College, Anna University, Chennai Dt: 15 <sup>th</sup> Dec'09.
2	"Impact of Gabor Wavelets in Biometrics".	National Workshop on Pattern Recognition and Image Analysis in Biometrics - NWPRIAB - 2014, Department of Software Engineering, Dt: 27 <sup>th</sup> Jan'14, SRM University, Chennai.
3	"Research Issues in Cloud Computing ".	DRDO Sponsored a two-day National Level Seminar on Research Issues in Cloud Computing, Department of Computer Science and Engineering, Sri Vidya College of Engineering and Tech, Virudhunagar, Anna University, Dt: 13 <sup>th</sup> Oct'12.
4	"Recent Research Trend in Computer Science and Engineering Field".	Avinashi lingam Institute of Home Science and Higher Education for Woman University as Resource Person to deliver Special Invite Talk, Dt: 21 <sup>st</sup> to 23 <sup>rd</sup> Feb'12.
5	"Cloud-based Software Engineering".	Delivered a Special Lecture on Advances in Software Architecture Engineering Modelling Tools and Programming Practices, Dt: 28 <sup>th</sup> May'13.
6.	Session Editor – "Advanced Research on Computer Vision and Image Processing" [CVIVP] : FICTA-2014, Bhubaneswar (Orrisa), 14 <sup>th</sup> & 15 <sup>th</sup> Nov'14.	Session Editor

Springer – CSI: 48<sup>th</sup> Annual Convention Computer Society of India, Vishakhapatnam, Dt: 13<sup>th</sup>to 15<sup>th</sup> Dec'13.

7

Session Chair

Countries Visited – Professional Front @ Singapore and Sri Lanka

# Academic and Research level Contribution from August 2023 to till date in Pondicherry University:

- 1. Successfully Completed the two semester Professor Level Academic and Research Work load in DCS, PUCC, as well as in Department of Computer Science, Main campus [One Semester], Pondicherry University.
- 2. Appointed as Professor and Head, DCS, PUCC, Pondicherry University for about Six months. I have rendered my service effectively.
- 3. As a Ph.D. Supervisor in Department of Computer Science, Pondicherry University, I have taken one Full Time Research Student for Ph.D. Degree Program and Expecting 07 Ph.D. students to render my service as a Ph.D. Supervisor in the next Ph.D. Recruitment process in DCS, Pondicherry University, Pondicherry.
- 4. As per the Vice Chancellor's, Direction and order of Pondicherry University, I have temporally Transferred to the Department of Computer Science, Main Campus, Pondicherry University for one Semester [Even Semester of the academic year 2023-2024] to handle Digital Technology Course in NEP Syllabus [Subject Code: CA2VA04 Digital Technology] to Three Department B.SC (Honors) students [Chemistry, Physics and Applied Geology Department]. Total student strength for that class was 91 in addition to my professor level academic and Research work load in DCS, PUCC, Pondicherry University and I was directed to report to the Head of the Department, Department of Computer Science, Main Campus, Pondicherry University and I have successfully completed the above challenging work and rendered my Academic service very effectively.
- 5. Appointed as Vice Chancellor's Nominee to the Expert committee membership Panel of Artificial Intelligence based Smart City Project between Pondicherry University and NORDEN and attended the panel meeting on 27<sup>th</sup>, Sep, 2023.
- 6. Appointed as Indian Ph.D. Thesis Review Expert Member to a Ph.D. work of a Ph.D. Student in Department of Computer Science, Mother Therasa Women's University, Kodaikanal and I have successfully completed the Review Work on 17<sup>th</sup> April, 2024.
- 7. Appointed as Academic Council Member to CARE Engineering College, Anna University, Trichy, Tamil Nadu for the academic year 2024-2025, on 7<sup>th</sup> May, 2024.
- 8. Appointed as as a judge for IEEE Madras Section Student Project Funding 2023 -24 final demo, fixed on 25th May 2024, Saturday at B.M. Birla Planetarium, Kotturpuram, Chennai 600 025, I have rendered my service, successfully.